JAH 2 0 2004 35

Attorney Docket: S03-087/US

# **Declaration for Patent Application and Power of Attorney**

As a below named inventor, I hereby declare that my residence, post office address, and citizenship are as stated below next to my name, and that I believe I am the original, first and sole inventor (if only one is listed) or an original, first and joint inventor (if plural names are listed) of the subject matter which is claimed and for which a patent is sought on the invention described in the application No. 10/646,331 entitled Improved Methods for Ranking Nodes in Large Directed Graphs.

First or Sole	Full name:	SEPANDAR D. KAMVAR	Citizenship:	US
Inventor:	Residence:	1805 Park Blvd., Palo Alto, CA 94306		
	Postal Address:	Same as above		
Second Joint	Full name:	TAHER H. HAVELIWALA	Citizenship:	US
Inventor	Residence:	1600 Villa St., Apt 306, Mountain View	v, CA 94041	
(if any):	Postal Address:	Same as above		
Third Joint	Full name:	GLEN JEH	Citizenship:	US
Third Joint Inventor	Full name: Residence:	GLEN JEH 48 Rudden Avenue, San Francisco, CA		US
				US
Inventor	Residence:	48 Rudden Avenue, San Francisco, CA		US
Inventor (if any):	Residence: Postal Address:	48 Rudden Avenue, San Francisco, CA Same as above	94112	

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a). I claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

PRIOR FOREIGN APPLICATION(S)

Country	Application Number	Date of Filing	Priority Claimed Under 35 U.S.C. §119
NONE			[] Yes [] No

I claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing data of this application.

PRIOR U. S. APPLICATION(S)

Application No.	Filing Date		Sta	itus	
60/458,921	3/28/03	[X] Provisional	[ ] Patented	[ ] Pending	[ ] Regular

I hereby appoint Thomas J. McFarlane, Reg. No. 39,299, Marek Alboszta, Reg. No. 39,894, Katharina Wang Schuster, Reg. No. 50,000, Ron Jacobs, Reg. No. 50,142, Bertram Rowland, Reg. No. 20,015, Tianhua Gu, Reg. No. 52,480 as my agents with full power of substitution to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith. Direct all correspondence to:

#### Marek Alboszta

2345 Yale Street, 2nd Floor Palo Alto, CA 94306 tel: (650) 424-0100

fax: (650) 424-0100

The attorney docket number for this case is: S03-087/US

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Title 18, §1001 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent-issued thereon.

INVENTOR SIGNATURE(S)	r/12		
SEPANDAR D. KAMVAR	() [2   09 Date	TAHER H. HAVELIWALA	Date
GLEN JEH	Date	GENE GOLUB	Date



Attorney Docket: S03-087/US

## **Declaration for Patent Application and Power of Attorney**

As a below named inventor, I hereby declare that my residence, post office address, and citizenship are as stated below next to my name, and that I believe I am the original, first and sole inventor (if only one is listed) or an original, first and joint inventor (if plural names are listed) of the subject matter which is claimed and for which a patent is sought on the invention described in the application No. 10/646,331 entitled Improved Methods for Ranking Nodes in Large Directed Graphs.

First or Sole	Full name:	SEPANDAR D. KAMVAR	Citizenship:	US
Inventor:	Residence:	1805 Park Blvd., Palo Alto, CA 94	306	
•	Postal Address:	Same as above		
Second Joint	Full name:	TAHER H. HAVELIWALA	Citizenship:	US
Inventor	Residence:	1600 Villa St., Apt 306, Mountain	View, CA 94041	
(if any):	Postal Address:	Same as above		
Third Joint	Full name:	GLEN JEH	Citizenship:	US
Inventor	Residence:	48 Rudden Avenue, San Francisco	, CA 94112	
(if any):	Postal Address:	Same as above		
(II dily).	1 001001 1 1001000	00200		
Fourth Joint	Full name:	GENE GOLUB	Citizenship:	US
			<del></del>	US

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a). I claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

PRIOR FOREIGN APPLICATION(S)

Country	Application Number	Date of Filing	Priority Claimed Under 35 U.S.C. §119
NONE			[] Yes [] No

I claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing data of this application.

PRIOR U. S. APPLICATION(S)

Application No.	Filing Date	Status
60/458,921	3/28/03	[X] Provisional [ ] Patented [ ] Pending [ ] Regular

I hereby appoint Thomas J. McFarlane, Reg. No. 39,299, Marek Alboszta, Reg. No. 39,894, Katharina Wang Schuster, Reg. No. 50,000, Ron Jacobs, Reg. No. 50,142, Bertram Rowland, Reg. No. 20,015, Tianhua Gu, Reg. No. 52,480 as my agents with full power of substitution to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith. Direct all correspondence to:

## Marek Alboszta

2345 Yale Street, 2nd Floor Palo Alto, CA 94306 tel: (650) 424-0100

fax: (650) 424-0141

The attorney docket number for this case is: S03-087/US

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Title 18, §1001 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

	Tales N. Havelinala	1/16/2004
Date	TAHER H. HAVELIWALA	Date
Date	GENE GOLUB	Date
		Date TAHER H. HAVELIWALA

Declaration, page 1 of 1

Attorney Docket: S03-087/US

# **Declaration for Patent Application and Power of Attorney**

As a better named inventor, I hereby declare that my residence, post office address, and citizenship are as stated below next to my name, and of the subject matter which is claimed and for which a patent is sought on the invention described in the application No. 10/646,331 entitled Improved Methods for Ranking Nodes in Large Directed Graphs.

First or Sole	Full name:	SEPANDAR D. KAMVAR	Citizenship:	US
Inventor:	Residence:	1805 Park Blvd., Palo Alto, CA 943	06	
	Postal Address:	Same as above		
Second Joint	Full name:	TAHER H. HAVELIWALA	Citizenship:	US
Inventor	Residence:	1600 Villa St., Apt 306, Mountain V	iew, CA 94041	
(if any):	Postal Address:	Same as above		
Third Joint	Full name:	GLEN JEH	Citizenship:	US
Inventor		40 D. J.J. A C. E	CA 04112	
HINCHIOI	Residence:	48 Rudden Avenue, San Francisco,	CA 94112	
(if any):	Residence: Postal Address:	Same as above	CA 94112	
		<del></del>	Citizenship:	US
(if any):	Postal Address:	Same as above	Citizenship:	US

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a). I claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

PRIOR FOREIGN APPLICATION(S)

Country	Application Number	Date of Filing	Priority Claimed Under 35 U.S.C. §119
NONE			[] Yes [] No

I claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing data of this application.

PRIOR U. S. APPLICATION(S)

Application No.	Filing Date	Sta	tus	
60/458,921	3/28/03	[X] Provisional [ ] Patented	[ ] Pending [ ] Regula	ar

I hereby appoint Thomas J. McFarlane, Reg. No. 39,299, Marek Alboszta, Reg. No. 39,894, Katharina Wang Schuster, Reg. No. 50,000, Ron Jacobs, Reg. No. 50,142, Bertram Rowland, Reg. No. 20,015, Tianhua Gu, Reg. No. 52,480 as my agents with full power of substitution to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith. Direct all correspondence to:

### Marek Alboszta

2345 Yale Street, 2nd Floor Palo Alto, CA 94306 tel: (650) 424-0100

fax: (650) 424-0141

. The attorney docket number for this case is: S03-087/US

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Title 18, §1001 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**INVENTOR SIGNATURE(S)** 

SEPANDAR D. KAMVAR	Date	TAHER H. HAVELIWALA	Date
Alla Jela	Dec. 15,2003		-
GLEN JEH	Date	GENE GOLUB	Date

Declaration, page 1 of 1

Attorney Docket: S03-087/US

# **Declaration for Patent Application and Power of Attorney**

As a below named inventor, I hereby declare that my residence, post office address, and citizenship are as stated below next to my name, and that I believe I am the original, first and sole inventor (if only one is listed) or an original, first and joint inventor (if plural names are listed) of the subject matter which is claimed and for which a patent is sought on the invention described in the application No. 10/646,331 entitled Improved Methods for Ranking Nodes in Large Directed Graphs.

First-or Sole	Full name:	SEPANDAR D. KAMVAR	Citizenship:	US
Inventor:	Residence:	1805 Park Blvd., Palo Alto, CA 94306		
	Postal Address:	Same as above		
Second Joint	Full name:	TAHER H. HAVELIWALA	Citizenship:	US
Inventor	Residence:	1600 Villa St., Apt 306, Mountain Vi	iew, CA 94041	
(if any):	Postal Address:	Same as above		
	12 U	OT ION TIPEY	C'4:	TIC
Third Joint	Full name:	GLEN JEH	Citizenship:	US
Inventor	Residence:	48 Rudden Avenue, San Francisco, C		0.5
Inventor	Residence:	48 Rudden Avenue, San Francisco, C		US
Inventor (if any):	Residence: Postal Address:	48 Rudden Avenue, San Francisco, C Same as above	CA 94112  Citizenship:	

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a). I claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

PRIOR FOREIGN APPLICATION(S)

Country	Application Number	Date of Filing	Priority Claimed Under 35 U.S.C. §119
NONE			[ ] Yes [ ] No

I claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing data of this application.

PRIOR U. S. APPLICATION(S)

Application No.	Filing Date	Status		
60/458,921	3/28/03	[X] Provisional [ ] Patented	[] Pending []	Regular

I hereby appoint Thomas J. McFarlane, Reg. No. 39,299, Marek Alboszta, Reg. No. 39,894, Katharina Wang Schuster, Reg. No. 50,000, Ron Jacobs, Reg. No. 50,142, Bertram Rowland, Reg. No. 20,015, Tianhua Gu, Reg. No. 52,480 as my agents with full power of substitution to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith. Direct all correspondence to:

#### Marek Alboszta

2345 Yale Street, 2nd Floor Palo Alto, CA 94306 tel: (650) 424-0100

fax: (650) 424-0141

The attorney docket number for this case is: S03-087/US

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Title 18, §1001 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

INVE	ENTOR	SIGNAT	URE(S)

SEPANDAR D. KAMVAR	Date	TAHER H. HAVELIWALA	Date 1/5/04
GLEN JEH	Date	GENE GOLUB	Date



Attorney Docket No: S03-087/US

### POWER OF ATTORNEY BY ASSIGNEE

The undersigned assignee of the entire interest in the application No.10/646,331 for Letters Patent for the invention entitled:

## Improved Methods for Ranking Nodes in Large Directed Graphs

by virtue of Assignment recorded concurrently herewith hereby appoints Thomas J. McFarlane, Reg. No. 39,299, Marek Alboszta, Reg. No. 39,894, Katharina Wang Schuster, Reg. No. 50,000, Ron Jacobs, Reg. No. 50,142, Tianhua Gu, Reg. No. 52,480 as its agents to prosecute the attached application and to transact all business in the Patent and Trademark Office connected therewith, said appointment to be to the exclusion of the inventor(s) and their attorney(s) in accordance with the provisions of Rule 32 of the Patent Office Rules of Practice.

Please direct all communication relative to said application to the following correspondence address:

### Marek Alboszta

Lumen 2345 Yale Street, 2<sup>nd</sup> Floor Palo Alto, CA 94306 tel: (650) 424-0100 fax: (650) 424-0141

I am duly authorized to sign this instrument on behalf of assignee corporation. I hereby declare that, to the best of my knowledge and belief, title is in the assignee herein, and I affirm review of the Assignment document concurrently submitted and believe that the attached application has been assigned to assignee herein and that assignee therefore has the right to make this Power of Attorney and Exclusion of Inventor(s).

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

#### ASSIGNEE:

### THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY

Stanford University Office of Technology Licensing 1705 El Camino Real Palo Alto, CA 94306-1106

Official Au	thorized to Act on Behalf of Assignee:	
Signature:	Latharine Ku	12/5/03
Name:	Katharine Ku	Date
Title:	Director, Office of Technology Licensing	